

## WHAT IS CLAIMED IS:

1. A modular spray gun assembly comprising:  
a spray gun body;  
a spray nozzle module, the spray nozzle module being releaseably attachable to a downstream end of the nozzle body with a first retainer that engages a portion of the downstream end of the spray gun body; and  
a plurality of control modules that are interchangeably mountable on an upstream end of the spray gun body with a portion of each control module being receivable in a counterbore in the upstream end of the spray gun body and releaseably attachable to the spray gun body with a second retainer that engages a portion of the upstream end of the spray gun body.
2. The modular spray gun assembly according to claim 1 wherein the spray nozzle module comprises a spray tip, an air cap mounted in surrounding relation to a discharge end of the spray tip.
3. The modular spray gun assembly according to claim 1 wherein the first retainer is a retaining ring that engages a threaded hub near the downstream end of the spray gun body.
4. The modular spray gun assembly according to claim 1 wherein one of the plurality of control modules includes a reciprocating valve needle having a single action fluid actuatable piston.
5. The modular spray gun assembly according to claim 1 wherein one of the plurality of control modules includes a reciprocating valve needle having a double action fluid actuatable piston.
6. The modular spray gun assembly according to claim 1 wherein one of the plurality of control modules includes a solenoid actuated reciprocating valve needle.
7. The modular spray gun assembly according to claim 1 wherein one of the plurality of control modules comprises a metering needle assembly supported by a mounting plate.

8. The modular spray gun assembly according to claim 1 wherein one of the plurality of control modules comprises a clean out needle assembly supported by a mounting plate.

9. The modular spray gun assembly according to claim 1 wherein one of the plurality of control modules comprises a backup plate supported by a mounting plate.

10. A spray gun assembly comprising:  
a spray gun body;  
a spray nozzle carried on a downstream end of the spray gun body; and  
a plurality of control modules that are interchangeably mountable on an upstream end of the spray gun body with a portion of each control module being receivable in a counterbore in a upstream end of the spray gun body and releaseably attachable to the spray gun body with a second retainer that engages a portion of the upstream end of the spray gun body.